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Sep 4, 2003

DERWENT-ACC-NO: 2003-830421

DERWENT-WEEK: 200377

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TITLE: Airline routing method for airline carriers, involves determining whether proposed flight assignment meets decision criterion describing requirements for aircraft routing, and optimizing it to generate flight assignment plan

INVENTOR: CLARKE, M D D; SMITH, B C

PATENT-ASSIGNEE: CLARKE M D D (CLARI), SMITH B C (SMITI)

PRIORITY-DATA: 2002US-0084313 (February 28, 2002)

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## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> US 20030167109 A1	September 4, 2003		014	G06F017/00

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US20030167109A1	February 28, 2002	2002US-0084313	

INT-CL (IPC): G06F 17/00

RELATED-ACC-NO: 2003-802198

ABSTRACTED-PUB-NO: US20030167109A

## BASIC-ABSTRACT:

NOVELTY - The method involves generating an aircraft routing proposal based on information about possible flight of an aircraft to determine a proposed flight assignment for the aircraft that complies with the information. If the proposed flight assignment does not meet a decision criterion describing requirements for aircraft routing, it is optimized to generate a flight assignment plan that meets the decision criterion.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for an aircraft routing system.

USE - Used for routing aircrafts in airline carriers.

ADVANTAGE - The method determines feasible aircraft routings over a given time period while considering all operational and maintenance constraints, thus plans

can be produced within short time constraints maximizing revenue of the airlines.

DESCRIPTION OF DRAWING(S) - The drawing shows an airline routing system.

Flight management/operations system 102

Optimization processor 106

Network 108

Flight assignment plan database 110

Flight information display system 112

ABSTRACTED-PUB-NO: US20030167109A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/4

DERWENT-CLASS: T01 W06

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